

PROJECT				COMPUTATION OF ELEVATIONS AND REFRACTIONS FROM RECIPROCAL OBSERVATIONS <i>(Logarithmic)</i>			
LOCATION							
ORGANIZATION		DATE (YYYYMMDD)		For use of this form, see FM 3-34.331; the proponent agency is TRADOC.			
Station 1, obs.							
Station 2, obs.							
t_1							
t_2							
$t_2 - t_1$							
$\frac{1}{2}(t_2 - t_1)$							
$\frac{1}{2}(t_2 - t_1)$ in secs.							
log ditto							
T							
log e							
log [a tan $\frac{1}{2}(t_2 - t_1)$]							
log A							
log B							
log C							
log (h₂-h₁)							
$h_2 - h_1$							
h_1							
h_2							
2 log s							
log p = 9 - 2 log s							
p of (h₂-h₁)							
α and mean ϕ							
$t_1 + t_2 - 180^\circ$							
$t_1 + t_2 - 180^\circ$ in sec.							
log ditto							
log p							
colog α							
log $\frac{\sin \alpha}{2} = 4.38454$							
log (0.5-m)							
(0.5-m)							
p of (0.5-m)*							
*Since (0.5-m) varies as s^{-2} , the weight p = $\frac{s^2}{N}$, where N is constant for a set and is preferably a power of 10.							
COMPUTED BY	DATE (YYYYMMDD)		CHECKED BY	DATE (YYYYMMDD)			